CLASSIFICATION RESTRICTED SECURITY INFORMATION CENTRAL INTELLIGENCE AGENCY

INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT CD NO.

COUNTRY SUBJECT

Hungary

Geographic - Weather

DATE OF

INFORMATION

1952

HOW

PUBLISHED

Monthly periodical

DATE DIST.

195**3** سىل*ۇق* 

WHERE

**PUBLISHED** 

Budapest

NO. OF PAGES

DATE

**PUBLISHED** 

Jul 1952

SUPPLEMENT TO

LANGUAGE

Hungarian

REPORT NO.

THIS IS UNEVALUATED INFORMATION

SOURCE

Magyar Energiagazdasag, Vol V, No 7, 1952.

### LONG-RANGE TEMPERATURE DATA FOR HUNGARY

The following information was taken from a loose-leaf insert to Vol V, No 7, of Magyar Energiagazdasag.

The following tables, map, and chart, published by the Hungarian Meteorological Institute, contain long-range temperature data for Hungary as a whole and for Budapest and six other Hungarian cities.

The map shows the distribution of average temperatures in Hungary over a period of 30 years.

The chart and the first table show temperature frequencies at Budapest for a period of 70 years; the second table shows temperature frequencies in six other Hungarian cities over an unstated period of time. Both tables and the chart are cumulative. Thus, the last item in each table shows 8,760 hours, the total number of hours in a year. The frequency for any position of the thermometer indicated in the tables can be arrived at by subtraction.

For example: The frequency of 10 degrees at Szeged is given as 3,920 hours. This figure does not represent the actual frequency of 10 degrees, but the total of frequency-hours of all temperatures from minus 20 to 10 degrees. The actual frequency for 10 degrees may be arrived at by subtracting 2,695 hours, the figure given for 5 degrees, from 3,920 hours. The resulting frequency of 1,225 nours is, however, only an approximation, since the frequencies for the interval between 5 and 10 degrees were omitted. All degrees are given in centigrade\_/

# Temperature Frequencies in Budapest

In the appended chart the abscissa represents the average length of time in hours per year which corresponds to the degrees of temperature represented by the ordinate.

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Because of its small scale, the chart is not suitable for finding exact measurements. For this reason, the coordinates are listed in the following table: this chables the reader to construct a chart on a larger scale showing the average temperature frequencies at Budapest over the last 70 years:

Degrees	Hours	Degrees	Hours
-16 -15 -14 -13 -10 - 98 - 76 - 5 - 4 - 32 - 10 2 34 5	3.43 5.48 8.91 15.42 26.38 41.46 58.25 86.00 124.03 181.25 249.09 333.38 433.08 570.48 732.54 915.86 1,142.33 1,415.74 1,716.57 2,051.32 2,364.48 2,663.26	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 27	2,943.87 3,229.96 3,530.45 3,807.29 4,086.19 4,347.28 4,609.05 5,156.91 5,176.04 6,129.29 6,499.33 6,861.49 7,226.05 7,876.02 8,151.49 8,376.94 8,545.81 8,641.89
>	2,663.26	27-35	8,760.0

As will be seen from the chart, the peak of the temperature frequency curve is located at approximately -15 degrees. Lower temperatures have a negligible frequency.

# Temperature Frequencies in Other Cities

Temperature frequency data for six other cities are given in the following table:

### Frequency in Hours per Year

Degrees	Magyarovar	Keszthely	Kalocsa	Szeged	Eger	Debrecen
-20 -15 -10 - 5 0 5 10 15 20 25 30	1.46 10.20 79.00 377.00 1,245.00 2,865.00 4,290.00 5,730.00 7,500.00 8,760.00 8,760.00	1.46 10.20 79.00 377.00 1,245.00 2,865.00 4,290.00 5,730.00 7,200.00 8,760.00 8,760.00	0.73 10.00 73.00 345.00 1,150.00 2,680.00 4,110.00 5,480.00 7,230.00 8,757.00 8,760.00	0.73 15.00 98.00 368.00 1,165.00 2,695.00 5,280.00 6,950.00 8,410.00 8,752.00 8,760.00	1.46 13.00 103.00 451.00 1,416.00 2,920.00 5,630.00 7,410.00 8,580.00 8,758.00 8,760.00	2.90 23.40 150.00 1,180.00 1,480.00 2,960.00 4,250.00 5,610.00 7,425.00 8,760.00 8,760.00 8,760.00

Appended map and chart follow:7

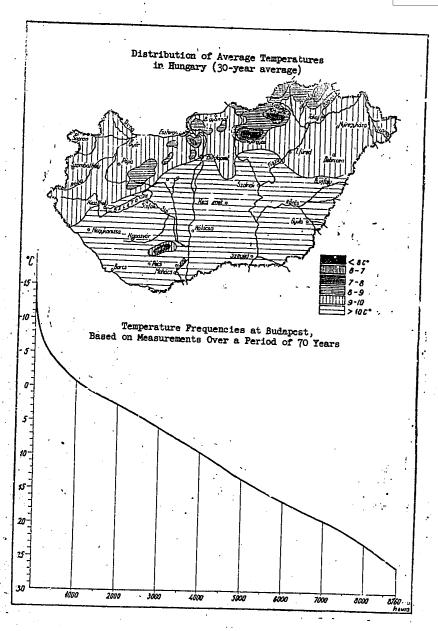
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